

APHIDS NEW TO OHIO.

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Since the publication of Guyton's list of Ohio Aphididæ (see *Ohio Journal of Science*, Vol. 24, pp. 1-30, 1924), several species new to Ohio have been collected by the writer. It is thought proper to publish these additions at the present time. The following list is modeled after that of Guyton and contains bibliographical references to the latest and most complete literature dealing with each species. Species not otherwise noted were collected by the writer.

LIST.

Anoecia corni (Fab.). *Aphis corni* Fab. Hemiptera of Connecticut, p. 258, 1923. On several species of dogwood (*Cornus*) and on roots of orchard grass (*Dactylis glomerata*) and red top (*Agrostis alba*), Wooster, Ohio, spring, summer, autumn, 1924; Columbus, Ohio, October 15, 1923.

Dilachnus pinicola (Kalt.). *Lachnus pinicola* Kalt. *Lachnus abietis* Fitch. Hemiptera of Connecticut, p. 262, 1923. Norway spruce (*Picea excelsa*), Wooster, Ohio, spring, summer, autumn, 1924.

Eulachnus agilis (Kalt.). *Lachnus agilis*, Kalt. *Lachnus rileyi* Wm. Hemiptera of Connecticut, p. 270. Austrian pine (*Pinus Laricio* var. *nigricans*). Wooster, Ohio, September 15, 1923.

Euceraphis betulae (Koch). *Callipterus betulae* Koch. Jr. Ec. Ent., Vol. 10, 1917, p. 425. Red birch (*Betula nigra*), Wooster, Ohio, August 4, 1924.

Rhopalosiphum rubiphilium (Patch). *Aphis rubiphila* Patch. Me. Agri. Exp. Station Bull. 233, p. 269, 1914, on black raspberry (*Rubus occidentalis*), Catawba Island, Ohio, June 12, 1923.

Amphorophora cosmopolitana Mason. *Amphorophora lactucae* (Kalt.). *Rhopalosiphum lactucae* (Kalt.). *Aphis lactucae* Kalt. Maine Agr. Exp. Station Bul. 225, p. 53. On black currant, *Ribes nigrum*, Wooster, Ohio, June 8, 1925.

Amphorophora sensoriata (Mason). Proc. Ent. Soc. of Washington, Vol. XXV, No. 9, p. 188, 1923. Canes of black raspberry (*Rubus occidentalis*), Lucasville, Ohio, July 8, 1924. R. B. Wilcox, Coll.

Capitophorus carduinus (Walk.). *Phorodon carduina* Walk. A Synopsis of the Aphididæ of California, Swain, p. 73, 1919, on Canada thistle (*Cirsium arvense*), Wooster, Ohio, October 13, 1924. Dr. Freda Detmers, Coll.

Capitophorus elægni Del Guercio. Jr. Ec. Ent., Vol. 8, pp. 375-379, 1915, on silverberry (*Elægnus parvifolia*), Wooster, Ohio, November 2, 1922.

Capitophorus. An undetermined species on raspberry (*Rubus occidentalis*), Wooster, Ohio, June, July, August, 1924. R. B. Wilcox, coll. This is one of the species concerned in the transmission of the mosaic disease of raspberry.

Tetraneura graminis Mon. *Tetraneura colophoidea* Howard. *Tetraneura ulmicola* Gill. Hemiptera of Conn., p. 316. Me. Agri. Exp. Station, Bull. 181, on American elm (*Ulmus americana*), Wooster, Ohio, July 15, 1920. P. R. Lowry, coll.

Pemphigus populi-caulis Fitch. Hemiptera of Conn., p. 327, 1923. On cottonwood, *Populus deltoides*, Chillicothe, Ohio, June 20, 1925. A. E. Miller, coll.

Asiphum pseudobyrsa (Walsh). *Byrsocrypta pseudobyrsa* Walsh. Ent. News, v. 25, pp. 269-275, 1914. Hemiptera of Conn., p. 321, 1923. On cottonwood, *Populus deltoides*, Chillicothe, Ohio, June 20, 1925. A. E. Miller, coll.

Neoprociophilus aceris (Monell). *Pemphigus aceris* Monell. Hemiptera of Connecticut, p. 324, 1923. On branches of sugar maple (*Acer saccharum*), Wooster, Ohio, July 9, 1922.

Prociphilus erigeronensis (Thos.). *Trama erigeronensis* Thomas. Me. Agri. Exp. Station Bull. 270, p. 46, 1918. On roots of many Compositæ and other plants. Wooster, Ohio. Throughout the year 1924.

Geocica radicola (Essig). *Trifidaphis radicola* (Essig). *Pemphigus radicola* Essig. U. S. Dept. of Agriculture Bull. 826, p. 79, 1920. Roots of bean (*Phaseoli vulgaris*) and many Compositæ. Throughout the year 1924. Wooster, Ohio.

Chermes strobilobius Kalt. Insects affecting Park and Woodland Trees, p. 187. On larch (*Larix laricina* or *europaea*), Wooster, Ohio, May 10, 1924.

Chermes abietis Linn. Me. Agri. Exp. Station Bull. 173, p. 290. On Norway spruce (*Picea excelsa*). Chagrin Falls, Ohio, September 21, 1924. Dr. H. R. Cooley, coll.